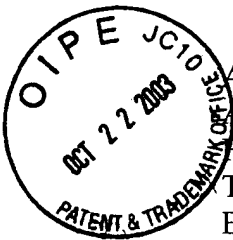


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Appl. No. : 09/914,604
Applicant : Michael Alan Reeve, et al.
Filed : January 31, 2002
TC/A.U. : 1637
Examiner : Shar Hashemi

Confirmation No.: 8189

Docket No. : PA9912
Customer No. : 22840

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Submission of Nucleotide and/or Amino Acid Sequence Listing

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

October 17, 2003

Dear Sirs:

In connection with the captioned application, Applicants submit the following items:

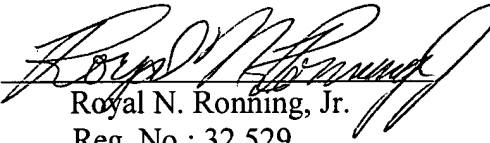
- 1) An replacement diskette containing the computer readable form (CRF) of the "Sequence Listing" and a replacement paper copy of the "Sequence Listing," generated on an IBM computer using PatentIn, Version 3.2 Software.
- 2) Required statements:
 - A. Applicants aver that the sequence listings do not include any new matter.
 - B. Applicants aver that that sequence listings contained on the diskette are identical to those contained on the paper copy.

As required, Applicants have amended the specification accordingly to request that the attached Sequence Listing replace the prior Sequence Listing filed. Additionally, Applicants have amended the specification to insert the corresponding sequence identification numbers where required. The Amendment is submitted concurrently herewith in response to the official office action dated May 21, 2003.

Please direct any issues to Applicant's representative at the telephone number provided below.

Respectfully submitted,


AMERSHAM BIOSCIENCES CORP

By: 
Royal N. Ronning, Jr.
Reg. No.: 32,529

Amersham Biosciences Corp
800 Centennial Avenue
P. O. Box 1327
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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on October 17, 2003.

Signature: 

Name: _____

Melissa Leck